

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for synchronizing image data from images of a web obtained from a plurality of cameras, the method comprising:

defining at least one parameter representing at least one characteristic of the web;

5 placing each of the plurality of cameras in a position to take a respective image different positions from the images taken by the others of the plurality of cameras, and taking images using at least some of the plurality of cameras;

storing image data from the images taken from each of the at least some of the plurality of cameras in at least one digital image processor processors;

10 selecting at least some images of an area of the web and taken from a first of the at least some of the plurality of cameras and corresponding to the respective image data, for display on a computer screen;

searching the image data for images taken from at least a second of the at least some of the plurality of cameras and depicting the same area in a corresponding the web using synchronization means that uses the at least one parameter; and

15 displaying a selection area on the computer screen and corresponding to fewer than all a number of sequential images of the at least some images from one of the at least some of the plurality of cameras in a point of synchronization corresponding to the stored image data from the selected images.

2. (currently amended) A method for synchronizing image data from images of a moving paper web obtained from a plurality of cameras, the method comprising:

defining at least one parameter, wherein the at least one parameter represents at least one of the velocity of the paper web and the distance between the plurality of cameras;

5 placing each of the plurality of cameras in a position to take a respective image different positions from the images taken by the others of the plurality of cameras, and taking images using at least some of the plurality of cameras;

storing image data from the images taken from each of the at least some of the plurality of cameras in at least one digital image processor processors;

10 selecting at least some images of an area of the web and taken from a first of the at least some of the plurality of cameras and corresponding to the respective image data for display on the an operator's computer screen;

searching the image data for images taken from at least a second of the at least some of the plurality of cameras and depicting the same area in a corresponding the paper web using
15 synchronization means that uses the at least one parameter; and

displaying a selection area on the operator's computer screen representing a number of fewer than all sequential images from the at least some images from one of the at least some of the plurality of cameras, wherein the number of sequential images represented by said area to in the selection area is provided by the synchronization means when an image displayed on the
20 screen and originating from one camera changes to another image originating from another camera depends on at least one of the speed of the paper web being monitored and the distance between the at least some of the plurality of cameras.

3. (currently amended) The method of claim 1, wherein the web is in a paper manufacturing machine, and further comprising further comprising a process of paper manufacture and monitoring the web running in the paper manufacturing machine.

4. (currently amended) The method of claim 1, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of the fewer than all sequential images, and displaying an image variation graph corresponding to the image variation data of images preceding and following the image to be analyzed.

5. (currently amended) The method of claim 1, further comprising analyzing and

5 compiling image variation data based on a level of variation in a plurality of sequential images taken from each of at least some of the plurality of cameras, standardizing the output levels of the image variation data from the images taken by of the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data levels of the different camera positions, and selecting the image data for a respective camera position representing the highest-level variation for automatic display.

6. (currently amended) The method of claim 2, wherein the paper web is in a paper manufacturing machine, and further comprising further comprising a process of ~~paper manufacture and monitoring the paper web running in a the paper manufacturing machine.~~

7. (currently amended) The method of claim 2, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken from each of the at least some of the plurality of cameras, and displaying an image variation graph corresponding to the image variation data of at least one image images preceding and following the image to be analyzed.

8. (currently amended) The method of claim 3, further comprising analyzing and compiling image variation data based on a level of variation in a ~~plurality of~~ sequential images taken from at least one of the at least some of the plurality of cameras, and displaying an image variation graph corresponding to the image variation data of ~~images preceding and following the image to be analyzed.~~

9. (currently amended) The method of claim 6, further comprising analyzing and compiling image variation data based on a level of variation in a ~~plurality of~~ sequential images taken from at least one of the at least some of the plurality of cameras, and displaying an image variation graph corresponding to the image variation data of ~~images preceding and following the image to be analyzed.~~

10. (currently amended) The method of claim 2, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken from each of the at least some of the plurality of cameras, standardizing the output levels of the image variation data of images taken by the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data of the different camera positions, and selecting the image data for a respective camera position representing the highest-level variation for automatic display.

11. (currently amended) The method of claim 3, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken from each of the at least some of the plurality of cameras, standardizing the output levels of the image variation data of the images taken by the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data levels of the different camera positions, and selecting the image data for a respective camera position representing the highest-level variation for automatic display.

12. (currently amended) The method of claim 6, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken from each of the at least some of the plurality of cameras, standardizing the output levels of the image variation data of the images taken by the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data levels of the different camera positions, and selecting the image data for a respective camera position representing the highest-level variation for automatic display.

13. (currently amended) The method of claim 4, further comprising standardizing the output levels of the image variation data of the images taken by the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data levels of the different camera positions, and selecting the image data for a respective camera position representing the highest-level variation for automatic display.

14. (currently amended) The method of claim 7, further comprising, standardizing the output levels of the image variation data of the images taken by the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data levels of the different camera positions, and selecting the image data for a
5 respective camera position representing the highest-level variation for automatic display.

15. (currently amended) The method of claim 8, further comprising, standardizing the output levels of the image variation data of the images taken by the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data levels of the different camera positions, and selecting the image data for a
5 respective camera position representing the highest-level variation for automatic display.

16. (currently amended) The method of claim 9, further comprising, standardizing the output levels of the image variation data of the images taken by the different positions cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data levels of the different camera positions, and selecting the image data for a
5 respective camera position representing the highest-level variation for automatic display.

17. (previously presented) The method of claim 1, wherein the selection area includes a pointer, the pointer enabling the operator to select at least one of the at least same images.

18. (previously presented) The method of claim 2, wherein the selection area includes a pointer, the pointer enabling the operator to select at least one of the at least same images.

19. (currently amended) A method for displaying a plurality of images of a moving object obtained from a plurality of cameras, the method comprising:

placing each of the plurality of cameras in a position to take a respective image different positions from the images taken by the others of the plurality of cameras, and taking images

5 using at least some of the plurality of cameras;

storing image data from the images in digital image processors;

obtaining variation information from the image data, the variation information representing a variation in a sequence of images from each of at least two of the plurality of cameras;

10 comparing the variation information from each of the at least two cameras to determine a first camera of the plurality of cameras that provided the highest degree of variation in the sequence of images;

displaying a single image of the object from the sequence of images received from the first camera;

15 synchronizing the image information representing images received from at least two other cameras to illustrate the object shown in the single image;

defining at least one parameter representing at least one characteristic of the moving object; and

20 providing a user interface comprising a selection area that uses the at least one parameter to represents represent fewer than all images in the sequence of images from one of the plurality of camcras, the interface further comprising a selection control to select an image in the sequence of images, wherein the number of images represented by the selection area depends on at least one of the speed of the moving object and the distance between the cameras, and wherein images from the at least two cameras are displayed that correspond to the image selected by the selection

25 control.